
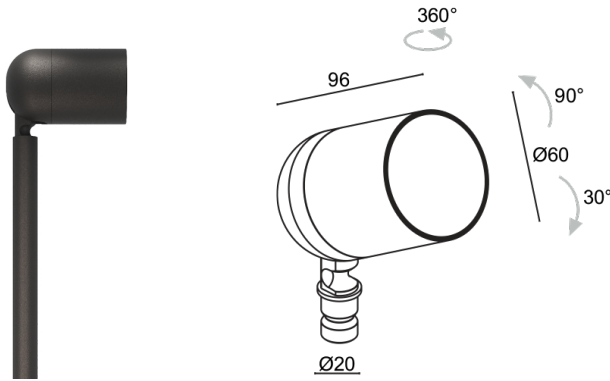


Made in Italy

 **Pivot 2.9, code: CP2900000050WH**  
Bollards for outdoor applications

10/05/2026 Rev. 02/2024



## DESCRIPTION

bollard for outdoor applications; surface mounted (spike); Power consumption: 10W; Power supply: 24Vdc; Lumen output at source: 978 lm (3000K, 10W, CRI 80); Delivered lumen output: 835 lm (3000K, 25°, 10W, CRI 80); 1 COB LED, 3-step MacAdam, 50 000h L95 B10 (Ta 25°C); LED colour: 3000K; Optics: adjustable 13°x68°; CRI Colour Rendering Index: 80; Body material: body made of ANTICORODAL EN AW 6082 low-copper-content aluminium alloy for excellent resistance to corrosion, made entirely on a CNC lathe; Finishes: anthracite finish obtained through an initial treatment with a ceramic nanoparticle coating, to prepare for painting, followed by a coat of epoxy paint and one of polyester paint to provide corrosion resistance of more than 1000 hours of salt spray; RAL finish on request; Screen material: 3-mm-thick transparent extra-clear glass with vitrified serigraphy, high transmittance to ensure chromatic uniformity of light and tempered for excellent resistance to knocks and scratches; Seals: The NBR nitrile rubber O-rings ensure the fixture's IP rating is preserved, guaranteeing continued protection; Installation: Two installation options: spike with single lighting fixture, or spike with additional arm for a second lighting fixture. The pivot at the base of the lighting fixture enables great flexibility in aiming the light output.; power supply unit not included; includes 1.50 m neoprene cable, H05RN-F 2x0,35/0,75 Ø6,3 mm; Ingress protection: IP66; Impact resistance: IK08; Casambi control using the Casambi app with dedicated electronics; Protection systems: IPS (Intelligent Protection System) protects lighting fixtures from water infiltrations, which can occur if there are faulty junctions between the cables in outdoor or underwater applications. This innovation, patented by L&L, also guarantees electrical protection against polarity reversal, hot plugging, ESD and power surges, which can occur if there are faults in the electrical circuit; Operating temperature: -20°C — +45°C; Glow wire test: 960°C; Photobiological safety: photobiological safety: risk group 1 according to EN 62471:2006; Appliance class: class III; Weight: 560 g; Dimensions: Ø60x96 mm; Energy efficiency class: F (light source) in accordance with EU 2019/2015; Accessories: WB1001H Standard snoot - anthracite, WB1002H Asymmetrical snoot - anthracite, WB1003N Barn doors - black, WPA00H Spike for in-ground installation - h 500 mm - anthracite, WPA01H Spike for in-ground installation - h 800 mm - anthracite, WPA02H Spike for in-ground installation - h 1100 mm - anthracite, WPA03H Dual-fixture spike for in-ground installation - h 500 mm - anthracite, WPA04H Dual-fixture spike for in-ground installation - h 800 mm - anthracite, WPA11H Dual-fixture spike for in-ground installation - h 1100 mm - anthracite; tested and approved via E.O.L. (End Of Line) test with functioning test and check of electrical power consumption

Status: Available

### ELECTRICAL CHARACTERISTICS

|                   |                                |
|-------------------|--------------------------------|
| Power consumption | 10W                            |
| Power supply      | 24Vdc                          |
| Power supply unit | power supply unit not included |

### LIGHTING CHARACTERISTICS

|                            |                                  |
|----------------------------|----------------------------------|
| Number and type of LED     | 1 COB LED                        |
| Average LED life           | 50 000h L95 B10 (Ta 25°C)        |
| LED colour                 | 3000K                            |
| CRI Colour Rendering Index | 80                               |
| Binning                    | 3-step MacAdam                   |
| Optics                     | adjustable 13°x68°               |
| Lumen output at source     | 978 lm (3000K, 10W, CRI 80)      |
| Delivered lumen output     | 835 lm (3000K, 25°, 10W, CRI 80) |

### MECHANICAL CHARACTERISTICS

|                 |  |
|-----------------|--|
| Dimensions      | Ø60x96 mm  |
| Weight          | 560 g  |
| Finishes        | anthracite   |
| Body material   | body in anticorodal aluminium                                  |
| Screen material | screen in serigraphed, transparent, tempered extra-clear glass |

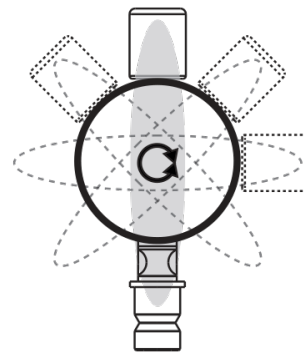
### GENERAL CHARACTERISTICS

|                         |  |
|-------------------------|--|
| Ingress protection      | IP66   |
| Operating temperature   | -20°C — +45°C  |
| Impact resistance       | IK08   |
| Energy efficiency class | F (light source) in accordance with EU 2019/2015                 |
| Glow wire test          | 960°C  |
| Appliance class         | class III  |
| Walkover                | no   |
| Drive-over              | no   |
| Power cables            | includes 1.50 m neoprene cable, H05RN-F 2x0,35/0,75 Ø6,3 mm      |
| Protection systems      | IPS (Intelligent Protection System)                              |
| Photobiological safety  | photobiological safety: risk group 1 according to EN 62471:2006  |
| Notes                   | Casambi control using the Casambi app with dedicated electronics |

PHOTOMETRIC DATA

W – 13°x68° CRI80

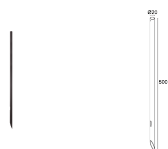
| H (m) | Ø (m) | Ø (m) | Lux max (3000K) |      | cd/Klm max 3459 |
|-------|-------|-------|-----------------|------|-----------------|
|       |       |       | 10W             | 14W  |                 |
| 1.00  | 0.23  | 1.34  | 2425            | 3089 |                 |
| 2.00  | 0.47  | 2.68  | 606             | 772  |                 |
| 3.00  | 0.70  | 4.03  | 269             | 343  |                 |
| 4.00  | 0.94  | 5.37  | 152             | 193  |                 |
| 5.00  | 1.17  | 6.71  | 97              | 124  |                 |



13°x68°

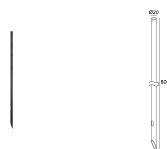
ACCESSORIES

Installation Accessories



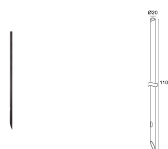
WPA00H

Spike for in-ground installation - h 500 mm - anthracite  
Order together with the lighting fixture  
Required installation accessories, not included



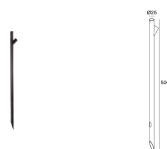
WPA01H

Spike for in-ground installation - h 800 mm - anthracite  
Order together with the lighting fixture  
Required installation accessories, not included



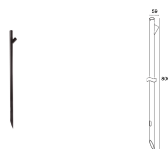
WPA02H

Spike for in-ground installation - h 1100 mm - anthracite  
Order together with the lighting fixture  
Required installation accessories, not included



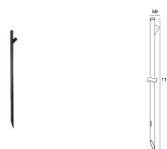
WPA03H

Dual-fixture spike for in-ground installation - h 500 mm - anthracite  
Order together with two lighting fixtures  
Required installation accessories, not included



WPA04H

Dual-fixture spike for in-ground installation - h 800 mm - anthracite  
Order together with two lighting fixtures  
Required installation accessories, not included



WPA11H

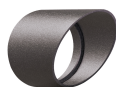
Dual-fixture spike for in-ground installation - h 1100 mm - anthracite  
Order together with two lighting fixtures  
Required installation accessories, not included

## Anti-glare



WB1001H

Standard snoot - anthracite



WB1002H

Asymmetrical snoot - anthracite



WB1003N

Barn doors - black

L&L Luce&Light SRL reserves the right to change the information contained in this document at any time without prior notice being given.